

Appl. No. : **Unknown**
Filed : **Herewith**

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-34. (Canceled)

35. (New) An endoluminal prosthesis, comprising:

a stainless steel tubular wire support having a proximal end, a distal end and a central lumen extending therethrough;

the wire support comprising at least a first and a second axially adjacent tubular segment, joined by a connector extending therebetween;

wherein the first and second segments and the connector are formed from a single length of stainless steel wire, the tubular wire support having an as manufactured outside diameter;

the prosthesis further comprising a tubular PTFE sleeve having an inside diameter that is approximately the same as the as manufactured outside diameter of the tubular wire support but larger than in an expanded diameter of the tubular wire support after being collapsed within a deployment catheter.

36. (New) An endoluminal prosthesis as in Claim 35, comprising at least three segments and two connectors.

37. (New) An endoluminal prosthesis as in Claim 35, comprising at least five segments and four connectors.

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38. (New) An endoluminal prosthesis as in Claim 35, wherein the wire in each segment comprises a series of proximal bends, a series of distal bends, creating a series of strut segments connecting the proximal bends and distal bends to form a tubular segment wall.

39. (New) An endoluminal prosthesis as in Claim 38, wherein at least some of the strut segments are substantially linear.

40. (New) An endoluminal prosthesis as in Claim 38, further comprising an eye on at least some of the bends.

41. (New) An endoluminal prosthesis as in Claim 40, wherein one or more eyes on a distal end of the first tubular segment are connected to one or more corresponding eyes on a proximal end of the second tubular segment.

42. (New) An endoluminal prosthesis as in Claim 41, wherein the corresponding eyes are connected with a suture, or ring.

43. (New) An endoluminal prosthesis as in Claim 38 wherein each segment comprises from about 4 proximal bends to about 12 proximal bends.

44. (New) An endoluminal prosthesis as in Claim 35, having at least a proximal segment, an intermediate segment and a distal segment, wherein the prosthesis is expandable from a reduced cross section to an expanded cross section.

45. (New) An endoluminal prosthesis as in Claim 43, wherein at least a portion of the proximal segment and distal segment is larger in cross section than the central segment when the prosthesis is in the expanded cross section.

46. (New) A method of making an endoluminal prosthesis, comprising the steps of:
providing a length of stainless steel wire;

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forming the wire into two or more zig-zag sections, each zig-zag section separated by a crosslink;

rolling the formed wire about an axis to produce a series of tubular elements positioned along the axis such that each tubular element is connected to the adjacent tubular element by a link and said tubular elements are moveable from a collapsed position and an expanded position;

positioning a tubular polymeric sleeve, on at least one of the tubular elements to form the prosthesis; and;

collapsing the prosthesis from its original, as manufactured diameter to a smaller, loaded diameter such that the prosthesis can be positioned within a delivery catheter and such that the prosthesis has an expanded diameter that is less than the original, as manufactured diameter.

47. (New) A method as in Claim 46, wherein the tubular polymeric sleeve comprises PTFE.

48. (New) A method as in Claim 46, wherein the expanded diameter is greater than approximately 90 percent of the original, as manufactured diameter.

49. (New) A method as in Claim 46, wherein the expanded diameter is greater than approximately 95 percent of the original, as manufactured diameter.

50. (New) A method as in Claim 46, wherein the expanded diameter is at least about 20 millimeters.

51. (New) A method as in Claim 46, wherein the smaller, loaded diameter is less than about 16 French.